

Listing of Claims

Please replace all prior versions of claims with the following listing of claims:

1. (Cancelled)
2. (New) A system for producing a holographic acoustical image of a sound event produced by a sound source, the system comprising:
 - at least one input node that captures at least one parameter of the sound event;
 - a source related module that includes information related to holographic acoustical dynamics of the sound source; and
 - a plurality of output nodes,wherein an amount of the output nodes included in the plurality of output nodes is greater than an amount of input nodes included in the at least one input node, and
wherein the holographic acoustical dynamics of the sound source are applied to the at least one parameter of the sound event to generate the holographic acoustical image of the sound event, and the plurality of output nodes are driven to produce the holographic acoustical image.
3. (New) The system of claim 2, wherein the information related to the holographic acoustical dynamics are determined via near field acoustical holography.
4. (New) The system of claim 2, wherein the holographic acoustical image is a three-dimensional acoustic model of the original sound event.

5. (New) The system of claim 2, further comprising a recording medium, wherein the captured at least one parameter of the sound event and the information related to the holographic acoustical dynamics of the sound source are recorded independently onto the recording medium.

6. (New) The system of claim 2, wherein the at least one input node consists of a single input node.

7. (New) The system of claim 2, wherein the at least one parameter of the sound event captured by the at least one input node comprises at least one of a directionality, an amplitude, or a frequency.

8. (New) The system of claim 2, further comprising an event related module that includes information related to at least one of a spatial position or an orientation of the sound source, wherein the output nodes are driven to produce the holographic acoustical image based in part on the information related to at least one of the spatial position or the orientation of the sound source.

9. (New) The system of claim 2, further comprising a rendering appliance related module that includes information related to the capabilities of the plurality of output nodes, wherein the output nodes are driven to produce the holographic acoustical image based in part on the information related to the capabilities of the plurality of output nodes.

10. (New) The system of claim 2, further comprising a consumer related module including information related to a consumer's preferences and personal settings and adaptations, wherein the output nodes are driven to produce the holographic acoustical image based in part on the information related to the consumer's preferences and personal settings and adaptations.

11. (New) A method of producing a holographic acoustical image of a sound event produced by a sound source, the method comprising:

capturing at least one parameter of the sound event with at least one input node;
determining information related to holographic acoustical dynamics of the sound source;

generating the holographic acoustical image of the sound event by applying the holographic acoustical dynamics of the sound source to the at least one parameter of the sound event; and

driving a plurality of output nodes to produce the holographic acoustical image of the sound event, wherein an amount of the output nodes included in the plurality of output nodes is greater than an amount of input nodes included in the at least one input node.

12. (New) The method of claim 11, wherein the information related to the holographic acoustical dynamics are determined via near field acoustical holography

13. (New) The method of claim 11, wherein the holographic acoustical image is a three-dimensional acoustic model of the original sound event.

14. (New) The method of claim 11, further comprising:

recording the captured at least one parameter of the sound event to a recording medium; and

recording the information related to the holographic acoustical dynamics to the recording medium.

15. (New) The method of claim 11, wherein the at least one input node consists of a single input node.

16. (New) The method of claim 11, wherein the captured at least one parameter of the sound event comprises at least one of a directionality, an amplitude, or a frequency.

17. (New) The method of claim 11, further comprising determining information related to at least one of a spatial position or an orientation of the sound source, wherein the step of driving the output nodes comprises driving the output nodes to produce the holographic acoustical image based in part on the information related to at least one of the spatial position or the orientation of the sound source.

18. (New) The method of claim 11, further comprising determining information related to the capabilities of the plurality of output nodes, wherein the step of driving the output nodes comprises driving the output nodes to produce the holographic acoustical image based in part on the information related to the capabilities of the plurality of output nodes.

19. (New) The method of claim 11, further comprising determining information related to a consumer's preferences and personal settings and adaptations, wherein the step of driving the output nodes comprises driving the output nodes to produce the holographic acoustical image based in part on the information related to the consumer's preferences and personal settings and adaptations.